### Accepted Manuscript

Numerical Investigation of Convective Dropwise Condensation Flow by a Hybrid Thermal Lattice Boltzmann Method

Shaofei Zheng, Ferdinand Eimann, Tobias Fieback, Gongnan Xie, Ulrich Gross

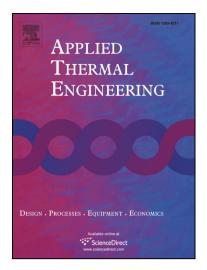
PII: S1359-4311(18)31650-8

DOI: https://doi.org/10.1016/j.applthermaleng.2018.09.076

Reference: ATE 12685

To appear in: Applied Thermal Engineering

Received Date: 14 March 2018
Revised Date: 15 September 2018
Accepted Date: 17 September 2018



Please cite this article as: S. Zheng, F. Eimann, T. Fieback, G. Xie, U. Gross, Numerical Investigation of Convective Dropwise Condensation Flow by a Hybrid Thermal Lattice Boltzmann Method, *Applied Thermal Engineering* (2018), doi: https://doi.org/10.1016/j.applthermaleng.2018.09.076

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

### **ACCEPTED MANUSCRIPT**

### **Title Page**

# Numerical Investigation of Convective Dropwise Condensation Flow by a Hybrid Thermal Lattice Boltzmann Method

Shaofei Zheng<sup>a,\*</sup>, Ferdinand Eimann<sup>a</sup>, Tobias Fieback<sup>a</sup>, Gongnan Xie<sup>b</sup>, Ulrich Gross<sup>a,\*</sup>

TU Bergakademie Freiberg,

Gustav-Zeuner-Str.7, 09599 Freiberg, Germany.

Northwestern Polytechnical University,

Box 24, 710072 Xi'an, China.

Address correspondence to Shaofei Zheng, Institute of Thermal Engineering, Faculty of Mechnical, Process and Energy Engineering, TU Bergakademie Freiberg, Gustav-Zeuner-Str.7, 09599 Freiberg, Germany.

E-mail addresses: <a href="mailto:shaofei.zheng@ttd.tu-freiberg.de">shaofeizheng56@gmail.com</a> (S. Zheng), <a href="mailto:gross@iwtt.tu-freiberg.de">gross@iwtt.tu-freiberg.de</a> (U. Gross)

<sup>&</sup>lt;sup>a</sup> Institute of Thermal Engineering,

<sup>&</sup>lt;sup>b</sup> School of Marine Science and Technology,

#### Download English Version:

## https://daneshyari.com/en/article/11027959

Download Persian Version:

https://daneshyari.com/article/11027959

<u>Daneshyari.com</u>